



Bearing No. 1310 EKTN9

D	110 mm
d	50 mm
B	27 mm
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	1300
Category	Self Aligning Ball Bearings
Inventory	0.0
Size (mm)	110x50x27
Enclosure	Open
Width (mm)	27
bore type:	Tapered 1:12
Mass bearing	1.2 kg
Weight / LBS	2.646
maximum rpm:	8000 RPM
closure type:	Open
D ₁	92.6 mm
Inch - Metric	Metric
d ₁	70.3 mm
Cage Material	Polyamide
Product Group	B00152
bore diameter:	50 mm
overall width:	27 mm
Keyword String	Self Aligning
cage material:	Fiberglass Reinforced Nylon
fillet radius:	2 mm
Other Features	Allowable Misalignment

	3 Deg High Capacity Design 1:12 Taper
Adapter Sleeve	H-310
Bearing number	1310 EKTN9
Limiting speed	8000 r/min
Mounting Method	Tapered Adapter
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	12000 r/min
Precision Class	ABEC 1 ISO P0
Long Description	50MM Bore; Tapered Adapter Mount; 110MM Outside Diameter; 27MM Inner Race Width; 27MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inner Race Width	1.063 Inch 27 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	4.331 Inch 110 Millimeter
Outer Race Width	1.063 Inch 27 Millimeter
Manufacturer Name	SKF
outer ring width:	27 mm
outside diameter:	110 mm
Weight / Kilogram	1.197
precision rating:	Not Rated
Internal Clearance	C0-Medium
r _a max.	2 mm
D _a max.	99 mm
Bore Diameter (mm)	110

Outer Diameter (mm)	50
internal clearance:	C0
$r_{1,2}$ min.	2 mm
Calculation factor e	0.24
D_a - max.	99 mm
r_a - max.	2 mm
Minimum Buy Quantity	N/A
D_1 ?	92.6 mm
maximum misalignment:	3 °
static load capacity:	14 kN
d_1 ?	70.3 mm
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	2 mm
dynamic load capacity:	43.6 kN
Calculation factor - e	0.24
Number of Rows of Balls	Double Row
Manufacturer Item Number	1310 EKTN9
Basic dynamic load rating C	43.6 kN
Basic dynamic load rating - C	43.6 kN
Fatigue load limit P_u	0.72 kN
Calculation factor k_r	0.04
Calculation factor Y_0	2.8
Calculation factor Y_1	2.6
Calculation factor Y_2	4.1
Calculation factor - Y_2	4.1
Calculation factor - Y_0	2.8
Calculation factor - k_r	0.04
Fatigue load limit - P_u	0.72 kN
Calculation factor - Y_1	2.6

Permissible angular misalignment ?	3 °
Basic static load rating C ₀	14 kN
Basic static load rating - C ₀	14 kN